

California Regional Water Quality Control Board
North Coast Region

Order No. R1-2007-0056
WDID No. 1B88067NSON

Water Reclamation Requirements

JDS Uniphase Company
2789 Northpoint Parkway
Santa Rosa, California

Sonoma County

The California Regional Water Quality Control Board, North Coast Region (hereinafter Regional Water Board) finds that:

1. On July 21, 1999, the Regional Water Board adopted Waste Discharge Requirements Order No. 99-29 for Optical Coating Laboratory Incorporated (OCLI) for the discharge of treated groundwater to surface waters and/or water reclamation. Monitoring and Reporting Program No. 99-29 was issued in conjunction with Waste Discharge Requirements Order No. 99-29. The order was also a National Pollutant Discharge Elimination System Permit (NPDES Permit No. CA 0024694).
2. Between July 12, 1999 and September 11, 2006 OCLI became JDS Uniphase Company (JDSU) and is hereinafter referred to as the Discharger.
3. On September 12, 2006, the Discharger submitted a Notice of Intent and applied for coverage under General Waste Discharge Requirement Order No. R1-2006-0048 (Order No. 48) for discharges of highly treated groundwater to surface waters following extraction and cleanup of groundwater polluted with petroleum hydrocarbons and volatile organic compounds. Coverage under Order No. 48 became effective on November 15, 2006.
4. On November 29, 2006, the Regional Water Board adopted Rescission of Waste Discharge Requirement Order No. R1-2006-0100. The order rescinded Waste Discharge Requirements Order No. 99-29 and the associated monitoring program.
5. Order No. 48 does not contain requirements for water reclamation. The Discharger intends to continue to irrigate portions of their property with the treated effluent from the groundwater treatment system.
6. The discharger owns and operates a thin film coating laboratory located at 2789 Northpoint Parkway, Santa Rosa, California (hereinafter, the site), Latitude 38°25', Longitude 122°45' as shown on Figure 1 incorporated herein and made a part of this Order. Groundwater from beneath the site has been polluted with petroleum hydrocarbons and volatile organic compounds. The Discharger operates a groundwater treatment system to collect and treat

polluted groundwater and to discharge treated effluent to land and to Roseland Channel, a tributary to Laguna de Santa Rosa, and the Russian River.

7. The disposal of treated wastewater (recycled water) during the dry period is a function of the total acreage utilized for irrigation. The effluent will be treated until no detectable waste constituents are present. The highly treated effluent will be discharged to an estimated 65 acres of land, currently all owned by the Discharger. Long term plans call for an increase in irrigation acreage.
8. The Water Quality Control Plan for the North Coast Region (Basin Plan) includes water quality objectives, implementation plans for point source and nonpoint source discharges, prohibitions, and statewide plans and policies.
9. Beneficial uses of groundwater in the area of the site include:
 - a. domestic water supply
 - b. agricultural water supply
 - c. industrial service supply
 - d. industrial process supply
10. The permitted discharge is consistent with State Water Resources Control Board Resolution No. 68-16. The impact on existing water quality will be insignificant because the wastewater to be discharged is highly treated and contains no detectable levels of waste constituents of concern.
11. The action to issue Water Reclamation Requirements is exempt from Chapter 3 of the California Environmental Quality Act (CEQA), Public Resources Code section 21000, et seq., is exempt from CEQA pursuant to Title 14, California Code of Regulations (CCR), Section 15301, as an existing facility.
12. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe water reclamation requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
13. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.
14. The Regional Water Board will review the Order periodically and may revise these requirements when necessary

THEREFORE IT IS HEREBY ORDERED that the Discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

1. The use of recycled water shall not result in unreasonable waste of water.

2. The use of recycled water shall not create a condition of pollution or nuisance as defined in California Water Code Section 13050(m).
3. The Discharger shall be responsible to ensure that all users of recycled water comply with the terms and conditions of this Order and with any rules, or requirements adopted by the Discharger.
4. Recycled water shall not be applied to irrigation areas during periods when uncontrolled runoff may occur.
5. Recycled water shall be applied in such a manner so as not to exceed vegetative demand or field capacity.
6. Recycled water shall not be allowed to escape the recycled use area(s) in the form of surface water runoff. [CCR Title 22, Section 603109e]
7. All recycled water equipment, pumps, piping, valves, and outlets shall be appropriately marked to differentiate them from potable facilities.
8. Cross-connections shall not occur between any recycled water system and any separate system conveying potable water. [22CCR, Section 60310(h)].
9. Areas irrigated with recycled water shall be managed to prevent ponding and conditions conducive to the proliferation of mosquitoes and other disease vectors, and to avoid creation of a public nuisance or health hazard. Irrigation water shall infiltrate completely within a 24-hour period.
10. The Discharger shall file a report of waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.

CERTIFICATION

I, Robert R. Klamt, Interim Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on September 13, 2007

Robert R. Klamt
Interim Executive Officer